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Microorganism Phellinus linteus having antioxidation activity
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Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
KR 2001084853	A	20010906	KR 200010190	A	20000229	200219	B
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Patent Details

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KR 2001084853	A		1	C12N-001/00	
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Abstract:
KR 2001084853 A

NOVELTY A microorganism Phellinus linteus having an antioxidation activity which can be used as probiotics, beverage or food additives or adjuvants, is new.

DETAILED DESCRIPTION A microorganism, Phellinus linteus ANKS9901 (KCTC 8983P), having an antioxidation activity such as superoxide dismutase (SOD), peroxidase (POD) and catalase, is isolated and identified by the steps of:

(1) sampling Phellinus linteus from the soil;

(2) examining its microbiological properties and depositing it;

(3) isolating DNA of Phellinus linteus mycelium incubated in PDB medium by using benzylchloride method;

(4) amplifying ITS 1, 5.8S rDNA and ITS 2 genes by polymerase chain reaction (PCR);

(5) using the isolated DNA of Phellinus linteus mycelium and determining their nucleotide sequences by using Perkin-Elmer applied biosystem ABI 377A sequencer; and

(6) analyzing the correlation of Phellinus linteus with other Phellinus strains by multialignment of Phellinus linteus ITS gene.

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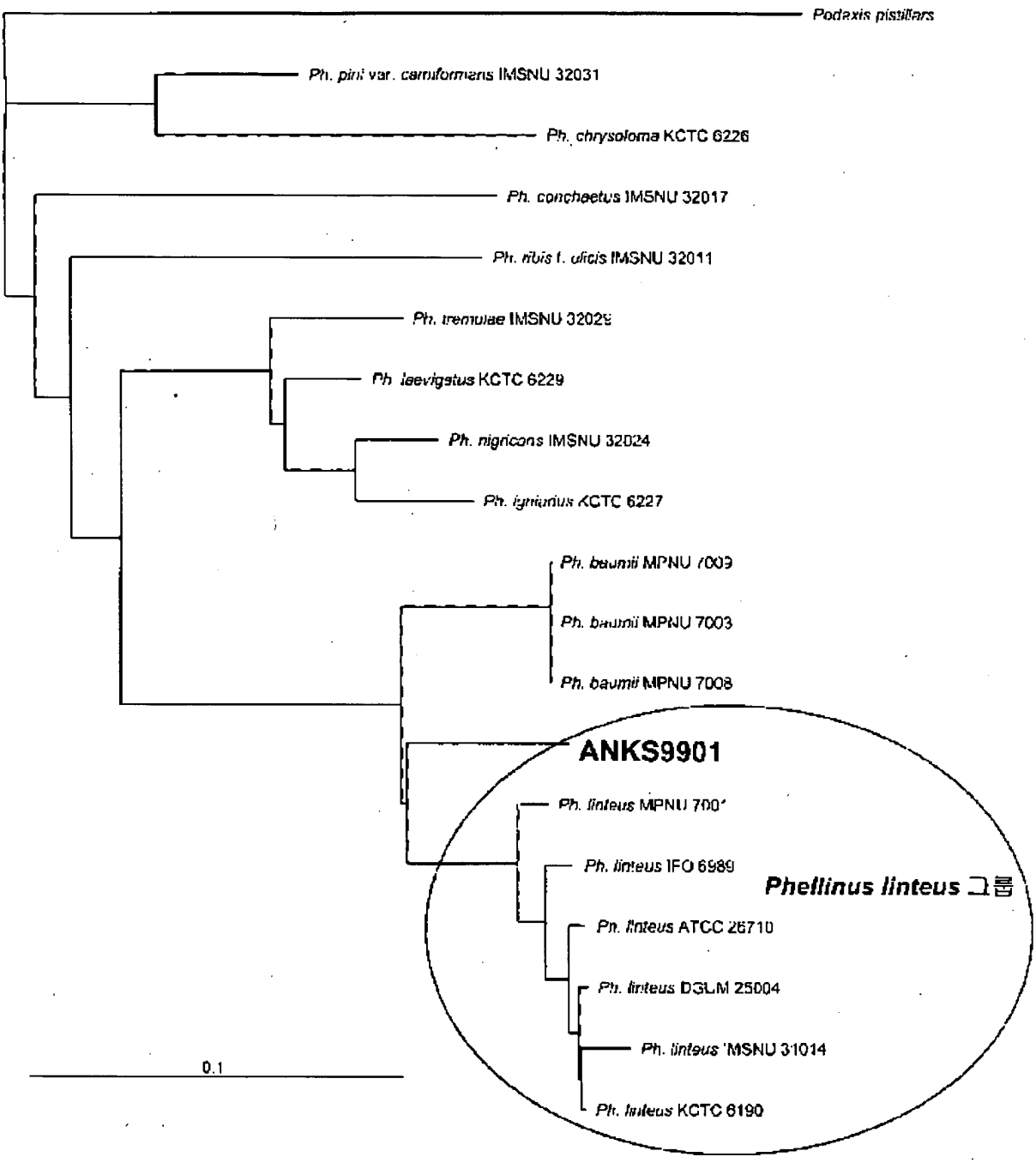

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